

	10	20	30	40	50	60				
HUMAN	MGIVEPGCGDMLTGTEPM	PGSDEGRAPGADPQHRYF	YPEPGAQDADERRGGGSLGSPY	PG						
MOUSE	MGIVEPGCGDMLTGTEPM	P-SDEGRGP	GADQQHRRFF	YPEPGAQDPTDRAGSSLGTPY	SG					
	10	20	30	40	50					
CONS	MGIVEPGCGDMLTGTEPM	P SDEGR PGAD QHR	F YPEPGAQD	RR G SLG	PY G					
	70	80	90	100	110	120				
HUMAN	GALVPAPP	S RFLG AYPPR	Q AAGFP	GAGESF	PPPADAEGY	QPGE	GYA	APDPRAGLY	PG	
MOUSE	GALVPA	A PGRFLG SFAYPPRA	Q VAGF	PGPGE	FFF	PPAGAE	GYPP	V DGY	PAPDPRAGLY	PG
	60	70	80	90	100	110				
CONS	GALVPA	P RFLG AYPPR	Q A G F P G	G E F P P P A	A E G Y P	G Y	APDPRAGLY	PG		
	130	140	150	160	170	180				
HUMAN	PREDYALPAGLE	VSGKLRVALNNH	LWSKF	NHQTEMIITKQGRRM	FPLSFTVAGLE	PT				
MOUSE	PREDYALPAGLE	VSGKLRVALNH	LWSKF	NHQTEMIITKQGRRM	FPLSFTVAGLE	PT				
	120	130	140	150	160	170				
CONS	PREDYALPAGLE	VSGKLRVAL NH	LWSKF	NHQTEMIITKQGRRM	FPLSFTVAGLE	PT				
	190	200	210	220	230	240				
HUMAN	SHYRMFVDVVLVDQHHW	RYQSGK	WVQCGKAEGSMPGNRLYVHPD	SPNTGAHWMRQEVSFG						
MOUSE	SHYRMFVDVVLVDQHHW	RYQSGK	WVQCGKAEGSMPGNRLYVHPD	SPNTGAHWMRQEVSFG						
	180	190	200	210	220	230				
CONS	SHYRMFVDVVLVDQHHW	RYQSGK	WVQCGKAEGSMPGNRLYVHPD	SPNTGAHWMRQEVSFG						
	250	260	270	280	290	300				
HUMAN	KLKLTNNKGASNNVTQM	IVLQLSLH	KYQPRLHIV	EVNNDGE	PEAACNASNTHI	FTFQETQFI				
MOUSE	KLKLTNNKGASNNVTQM	IVLQLSLH	KYQPRLHIV	EVNNDGE	PEAACSASNTH	HVF				
	240	250	260	270	280	290				
CONS	KLKLTNNKGASNNVTQM	IVLQLSLH	KYQPRLHIV	EVNNDGE	PEAAC ASNTH	FTFQETQFI				

Fig. 1A

	310	320	330	340	350	360
HUMAN	AVTAYQNAEITQLKIDNNPFAKG FRENFESMY TSDTSIPSPPGPNCQFLGGDHYSPLLP					
MOUSE	AVTAYQNAEITQLKIDNNPFAKG FRENFESMY ASVDTSPSPGPNCQLLGGDPFSPLLS					
	300	310	320	330	340	350
CONS	AVTAYQNAEITQLKIDNNPFAKG FRENFESMY SVDTS PSPPGPNCQ LGGD FSPLL					
	370	380	390	400	410	420
HUMAN	NQYPVPSRFYPDLPQAKDVPQAYWLGA PRDH SYEAEFRAVSMKP AFLPSAPGPTMSYY					
MOUSE	NQYPVPSRFYPDLPQPKDMISQPYWLGT PREH SYEAEFRAVSMKP TLLPSAPGPTVPYY					
	360	370	380	390	400	410
CONS	NQYPVPSRFYPDLPQ KD Q YWLG PR HSYEAEFRAVSMKP LPSAPGPT YY					
	430	440	450	460	470	480
HUMAN	RG QEVL APGAGWPVAPQYPPK MGPASWFRPMRTLPMEPGPGGSEGRGPEDQGPPLVWTEI					
MOUSE	RG QDV LAPGAGWPVAPQYPPK MSPAGWFRPMRTLPMDPGLGSSEEQG---SSPSLWPEV					
	420	430	440	450	460	470
CONS	RGQ VLAPGAGWPVAPQYPPKM PA WFRPMRTLPM PG G SE G P W E					
	490	500	510	520	530	
HUMAN	APIRP ESSDSGL GEGDS KRRRVSPY PSSGD SSSPAGAPSPFD KEAEGQFYNTFPN					
MOUSE	TS LQPEP SDSGL GEGDT KRRRISPY PSSGD SSSPAGAPSPFD KETEGQFYNYFPN					
	480	490	↑↑↑ 500	510	520	530
CONS	PE SDSGL GEGD KRRR SPY PSSGD SSSPAGAPSPFD KE EGQFYNYFPN					

Fig. 1A (continued)

	10	20	30	40	50	60
HUMAN	ATGGGCATCGTGGAGCCGGTTGCGGAGACATGCTGACGGCACCGAGCCGATGCCGGGG					
	10	20	30	40	50	
MOUSE	ATGGGCATCGTGGAGCCGGCTGCGGAGACATGCTGACCGCACCGAGCCGATGCC---G					
	70	80	90	100	110	120
HUMAN	AGCGACGAGGGCCGGCGCCTGGCGCCGACCCGCAGCACCGCTACTTCTACCCGGAGCCG					
	60	70	80	90	100	110
MOUSE	AGTGACGAGGGCCGGGGCCGGAGCGGACCAACAGCATCGTTCTATCCCGAGCCG					
	130	140	150	160	170	180
HUMAN	GGCGCGCAGGACGCGGACGAGCGTCGCGGGGGCGGCAGCCTGGGGTCTCCCTACCCGGGG					
	120	130	140	150	160	170
MOUSE	GGCGCACAGGACCCGACCGATCGCCGCAGGTAGCAGCCTGGGGACGCCCTACTCTGGG					
	190	200	210	220	230	240
HUMAN	GGCGCCTTGGTGCCGCCGGCGAGCCGCTCCTGGAGCCTACGCCTACCCGCCGCGA					
	180	190	200	210	220	230
MOUSE	GCGCCCTGGTGCCCTGCCGCAGGGTCGCTTCCTGGATCCTCGCCTACCCGCCCGG					
	250	260	270	280	290	300
HUMAN	CCCCAGGGCCGGCTTCCCCGGCGGGCGAGTCCTTCCCGCCGCCGGACGCCGAG					
	240	250	260	270	280	290
MOUSE	GCTCAGGTGGCTGGCTTCCCAGGGCTGGCGAGTTCTTCCCGCCGCCGGGTGCGGAG					
	310	320	330	340	350	360
HUMAN	GGCTACCAGCCGGGCGAGGGCTACGCCGCCGGACCCGCAGCCGGCTCTACCCGGGG					
	300	310	320	330	340	350
MOUSE	GGCTACCCGCCGTGGATGGCTACCCCTGCCCTGACCCGCCGCCGGCTCTACCCAGGG					
	370	380	390	400	410	420
HUMAN	CCCGTGAAGGACTACCGCGTACCCGCGGGACTGGAGGTGTGGGGAAACTGAGGGTCGCG					
	360	370	380	390	400	410
MOUSE	CCCGCGAGGACTACGCATTGCCCGCGGGGTGGAGGTGTGGAAAGCTGAGAGTCGCG					

Fig. 1B

4/27

HUMAN	430	440	450	460	470	480
	CTCAACAACCACCTGTTGGTCCAAGTTAACATCAGCACAGACAGAGATGATCATCAC	::::::::::: ::::::::::::::::::::: :: :: :: :: :: :: :: :: :: :: :: ::				
MOUSE	420	430	440	450	460	470
	CTCAGCAACCACCTGTTGGTCCAAGTTAACACCAGCACAGACAGAGATGATCATCACT	420 430 440 450 460 470				
HUMAN	490	500	510	520	530	540
	AAGCAGGGACGGCGGATGTTCCCATTCTGTCAATTACTGTGGCCGGCTGGAGGCCACC	::::: ::::::: ::::::::::::::: :: : :: :: :: :: :: :: :: :: :: :: ::				
MOUSE	480	490	500	510	520	530
	AAGCAAGGACGGCGAATGTTCCCATTCTGTCTCACCGTGGCCGGCTGGAGGCCACA	480 490 500 510 520 530				
HUMAN	550	560	570	580	590	600
	AGCCACTACAGGATGTTGTGGACGTGGCTTGGTGGACCAGCACACTGGCGGTACCAAG	::::: ::::::::::::::: ::::::::::::::: :: :: :: :: :: :: :: :: :: :: ::				
MOUSE	540	550	560	570	580	590
	AGCCATTACAGGATGTTGTGGATGTGGCTTGGTGGACCAGCACACTGGCGGTACCAAG	540 550 560 570 580 590				
HUMAN	610	620	630	640	650	660
	AGCGGCAAGTGGGTGCAGTGTGGAAAGGCCGAGGGCAGCATGCCAGGAAACCGCCTGTAC	::::: ::::::::::::::: :: : :: :: :: :: :: :: :: :: :: :: :: :: ::				
MOUSE	600	610	620	630	640	650
	AGCGGCAAGTGGGTGCAGTGTGGAAAGGCAGAAGGCAGCATGCCAGGAAACCGCTTATAT	600 610 620 630 640 650				
HUMAN	670	680	690	700	710	720
	GTCCACCCGGACTCCCCAACACACAGGAGCGCACTGGATGCCAGGAAGTTCATTTGGG	::::: ::::::::::::::: :: : :: :: :: :: :: :: :: :: :: :: :: :: ::				
MOUSE	660	670	680	690	700	710
	GTCCACCCAGACTCCCCAACACCCGGAGGCCACTGGATGCCAGGAAGTTCATTTGGG	660 670 680 690 700 710				
HUMAN	730	740	750	760	770	780
	AAACTAAAGCTCACAAACAACAAGGGGGCGTCCAACAAATGTGACCCAGATGATGTGCTC	:: ::::::::::::::: ::::::::::::::: :: :: :: :: :: :: :: :: :: :: ::				
MOUSE	720	730	740	750	760	770
	AAGCTAAAGCTCACCAACAACAAGGGGGCTTCCAACAAATGTGACCCAGATGATGTCCTG	720 730 740 750 760 770				
HUMAN	790	800	810	820	830	840
	CAGTCCCTCCATAAGTACCAAGCCCCGGCTGCATATCGTTGAGGTGAACGACGGAGAGCCA	::::: ::::::: ::::::::::::::: :: :: :: :: :: :: :: :: :: :: :: ::				
MOUSE	780	790	800	810	820	830
	CAGTCTCTCCACAAGTACCAAGCCCCGGCTGCACATCGTGGAGGTGAATGATGGAGAGCCA	780 790 800 810 820 830				

Fig. 1B (continued)

5/27

HUMAN 850 860 870 880 890 900
GAGGCAGCCTGCAACGCTTCCAACACGCATATCTTACTTTCCAAGAAACCCAGTCATT
::: ::::: ::::: ::::: ::::: ::::: ::::: ::::: ::::: ::::: :::::

MOUSE 840 850 860 870 880 890
GAGGCTGCCTGCAGTGCTTCTAACACACACAGTCTTACTTTCCAAGAGAGACCCAGTCATT

HUMAN 910 920 930 940 950 960
GCCGTGACTGCCTACCAGAATGCCGAGATTACTCAGCTGAAAATTGATAATAACCCCTTT
:: ::::::::::::::: :: :: :: :: :: :: :: :: :: :: :: :: :: :: ::

MOUSE 900 910 920 930 940 950
GCAGTGACTGCCTACCAGAACGCGAGAGATCACTCAGCTGAAAATCGACAACAACCCCTTT

HUMAN 970 980 990 1000 1010 1020
GCCAAAGGATTCCGGGAGAACTTGGAGTCCATGTACACATCTGTTGACACCGCATCCCC
::: ::::::::::::::: :: :: :: :: :: :: :: :: :: :: :: :: :: ::

MOUSE 960 970 980 990 1000 1010
GCCAAAGGATTCCGGGAGAACTTGGAGTCCATGTACGCATCTGTTGATACGAGTGTCCCC

HUMAN 1030 1040 1050 1060 1070 1080
TCCCCGCCTGGACCCAACGTGCAATTCTTGGGGGAGATCACTACTCTCCTCTCACCC
:: : :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: ::

MOUSE 1020 1030 1040 1050 1060 1070
TCGCCACCTGGACCCAACGTGCAACTGCTTGGGGGAGACCCCTCTCACCTCTATCC

HUMAN 1090 1100 1110 1120 1130 1140
AACCAGTATCCTGTTCCCAGCCGCTTCTACCCCGACCTTCTGGCCAGGCGAAGGATGTG
::: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: ::

MOUSE 1080 1090 1100 1110 1120 1130
AACCAGTATCCTGTTCCCAGCCGTTCTACCCGACCTTCCAGGCCAGCCAAGGATATG

HUMAN 1150 1160 1170 1180 1190 1200
GTTCCCCAGGGCTACTGGCTGGGGGCCCCCGGGGACCAAGCTATGAGGCTGAGTTCGA
:: : :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: ::

MOUSE 1140 1150 1160 1170 1180 1190
ATCTCACAGCCTACTGGCTGGGGACACCTCGGGAACAGTTATGAAGCGGAGTTCCGA

HUMAN 1210 1220 1230 1240 1250 1260
GCAGTCAGCATGAAGCCTGCATTCTTGCCTCTGCCCTGGGGCCACCATGTCCCTACTAC
:: : :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: ::

MOUSE 1200 1210 1220 1230 1240 1250
GCTGTGAGCATGAAGCCCACACTCCTACCCCTGCCCTGGGGCCACTGTGCCCTACTAC

Fig. 1B (continued)

	1270	1280	1290	1300	1310	1320
HUMAN	CGAGGCCAGGAGGTCTGGCACCTGGAGCTGGCTGGCCTGTGGCACCCAGTACCCCTCCC					
MOUSE	CGGGGCCAAGACGTCTGGCCCTGGAGCTGGTTGGCCCGTGGCCCCCTCAATACCCGCC					
	1260	1270	1280	1290	1300	1310

	1330	1340	1350	1360	1370	1380
HUMAN	AAGATGGGCCGGCCAGCTGGTTCCGCCCTATGCGGACTCTGCCCATGGAACCCGGCCCT					
MOUSE	AAGATGAGCCCAGCTGGCTGGTTCCGCCATGCGAACTCTGCCCATGGACCCGGGCCTG					
	1320	1330	1340	1350	1360	1370

	1390	1400	1410	1420	1430	1440
HUMAN	GGAGGCTCAGAGGGACGGGGACCAGAGGACCAGGGTCCCCCTTGGTGTGGACTGAGATT					
MOUSE	GGATCCTCAGAGGAACAGGGCTCCT-----CCCCCTCGCTGTGGCCTGAGGTC					
	1380	1390	1400	1410	1420	

	1450	1460	1470	1480	1490	1500
HUMAN	GCCCCCATCCGGCCCGAATCCAGTGATTCAAGACTGGACTGGCGAAGGAGACTCTAACAGAGGAGG					
MOUSE	ACCTCCCTCCAGCCGGAGCCCAGCGACTCAGGACTAGGCGAAGGAGACACTAACAGAGGAGG					
	1430	1440	1450	1460	1470	1480

	1510	1520	1530	1540	1550	1560
HUMAN	CGCGTGTCCCCCTATCCTTCCAGTGGTGACAGCTCCTCCCCCTGCTGGGGCCCTCTCCT					
MOUSE	AGGATATCCCCCTATCCTTCCAGTGGCGACAGCTCCTCTCCGCTGGGGCCCTCTCCT					
	1490	1500	1510	1520	1530	1540

	1570	1580	1590	1600		
HUMAN	TTTGATAAGGAAGCTGAAGGACAGTTTATAACTATTTCCCAACTGA					
MOUSE	TTTGATAAGGAAACCGAAGGCCAGTTTATAATTATTTCCCAACTGA					
	1550	1560	1570	1580	1590	

Fig. 1B (continued)

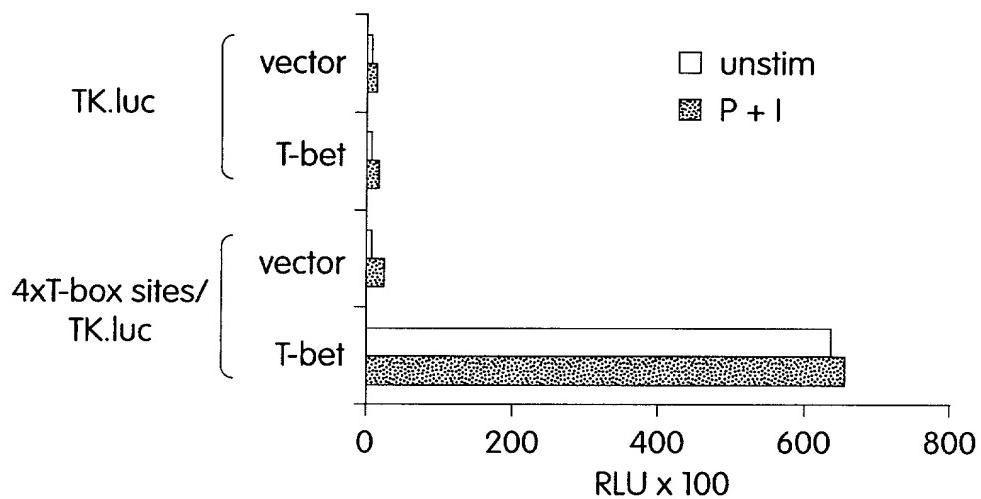


Fig. 2A

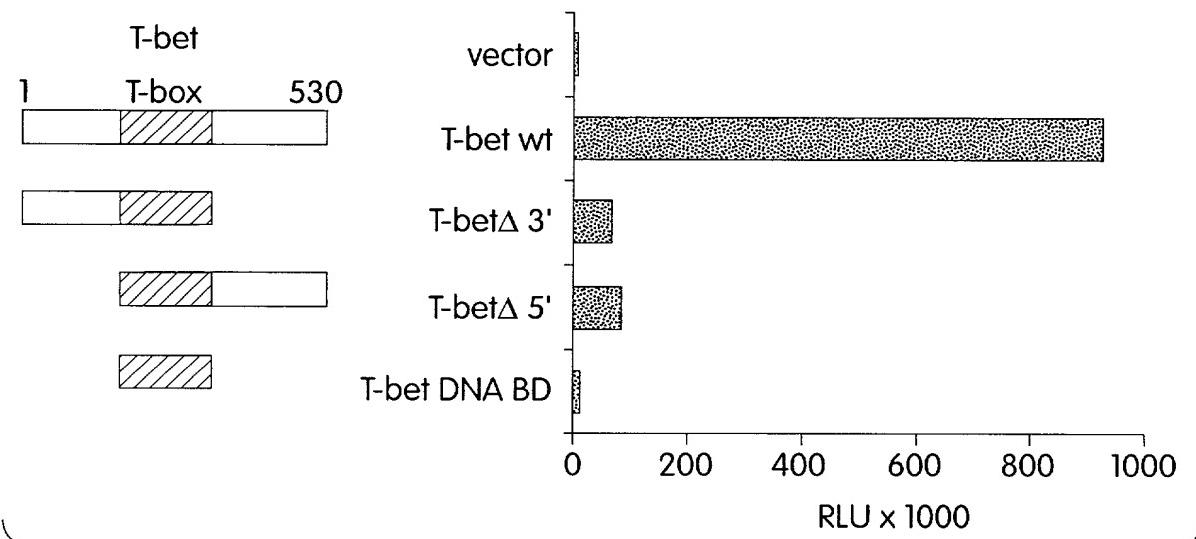


Fig. 2B

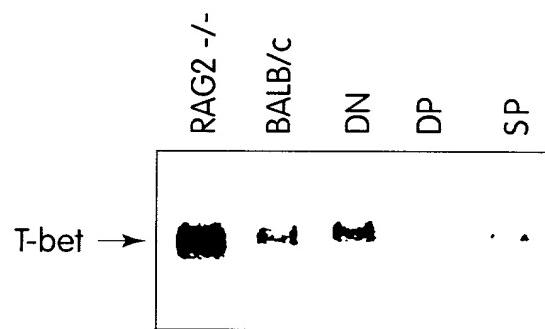


Fig. 3A

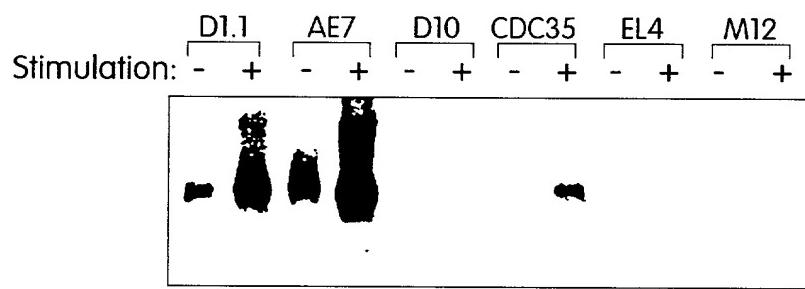


Fig. 3B

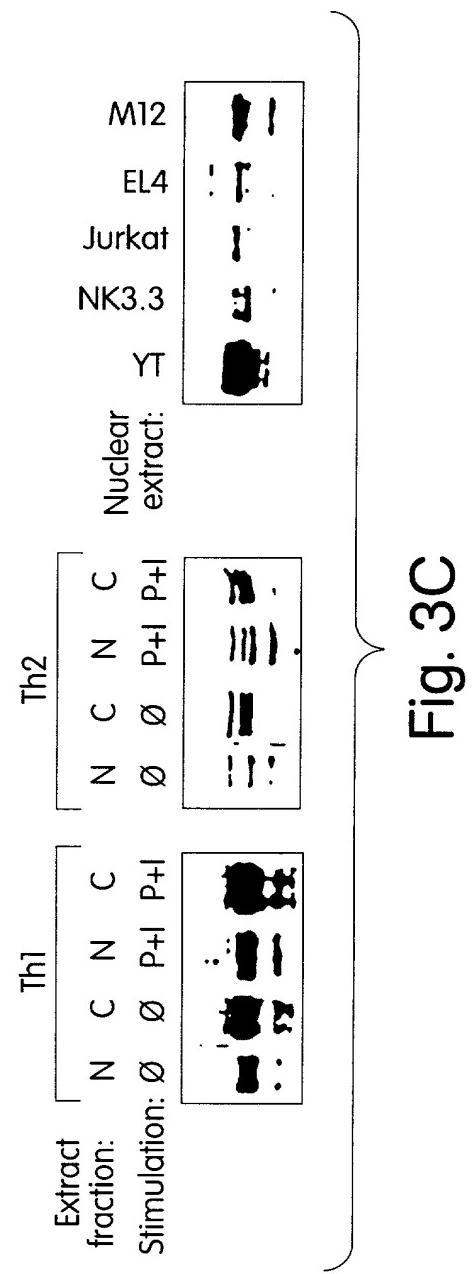


Fig. 3C

10/27

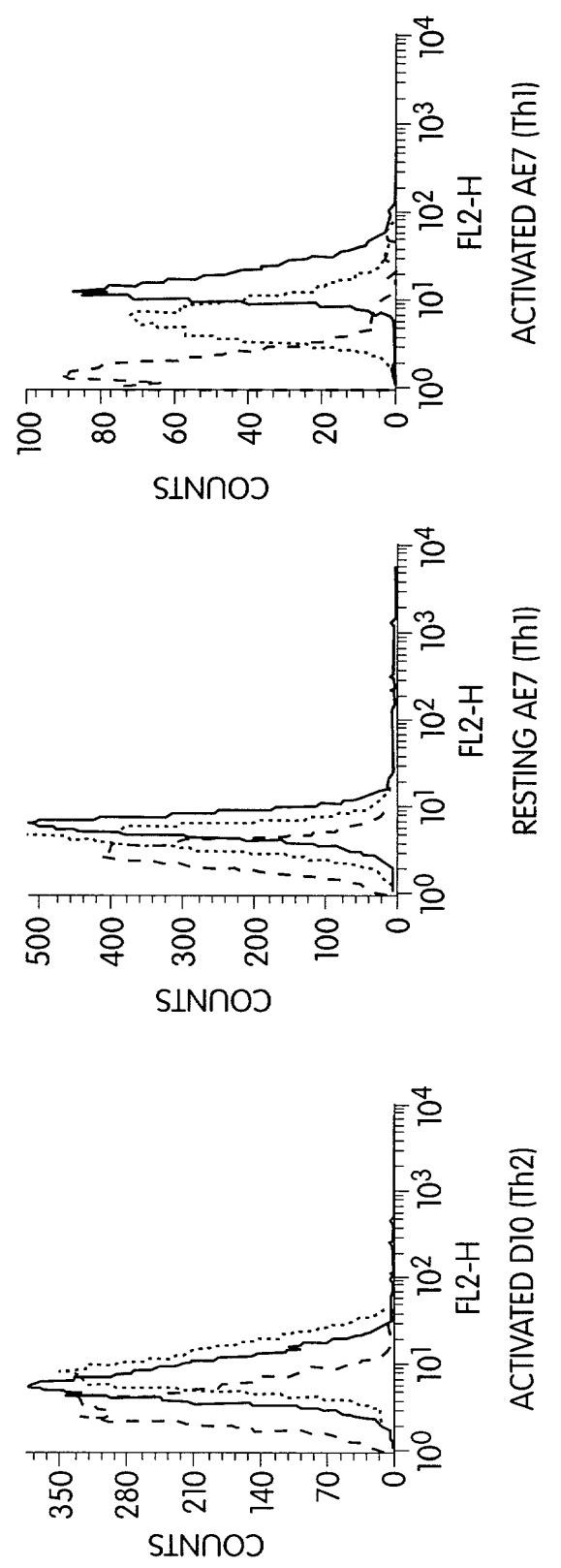


Fig. 3D

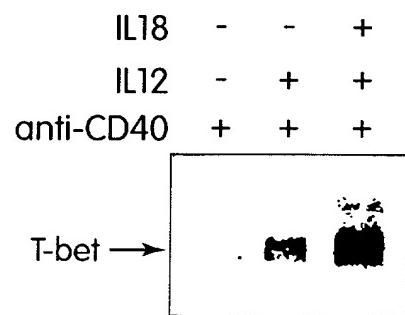


Fig. 4A

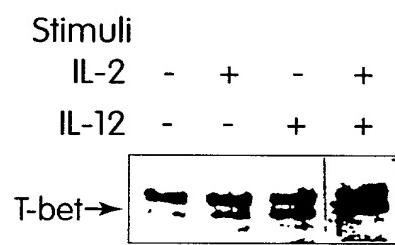
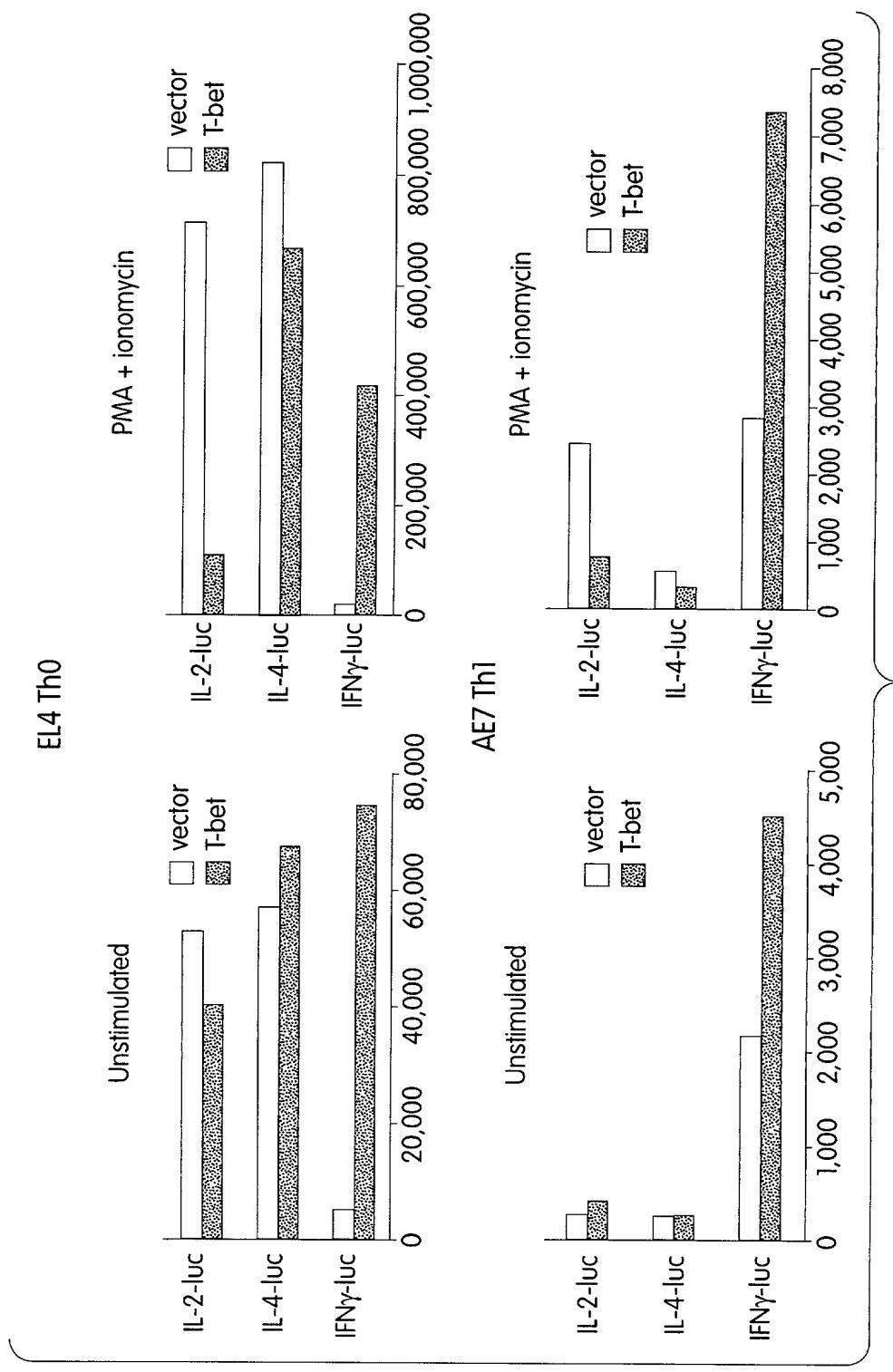


Fig. 4B

12/27

**Fig. 5**

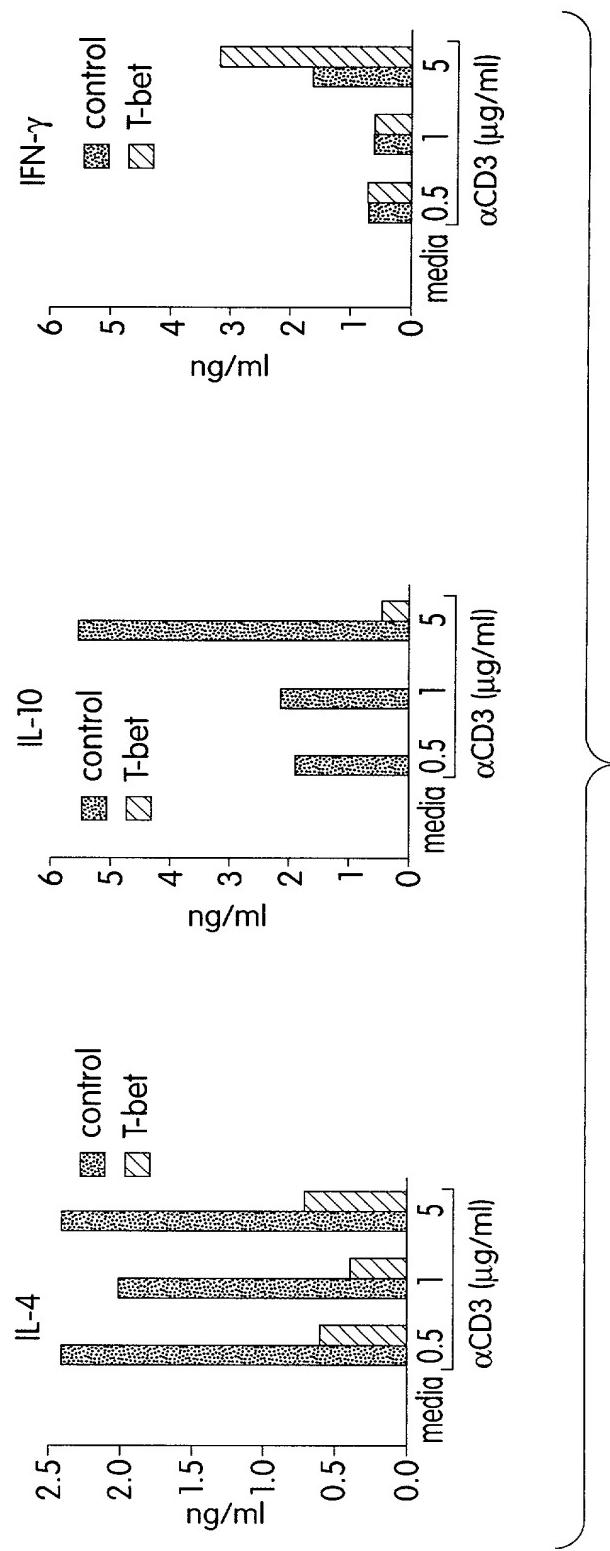


Fig. 6

14/27

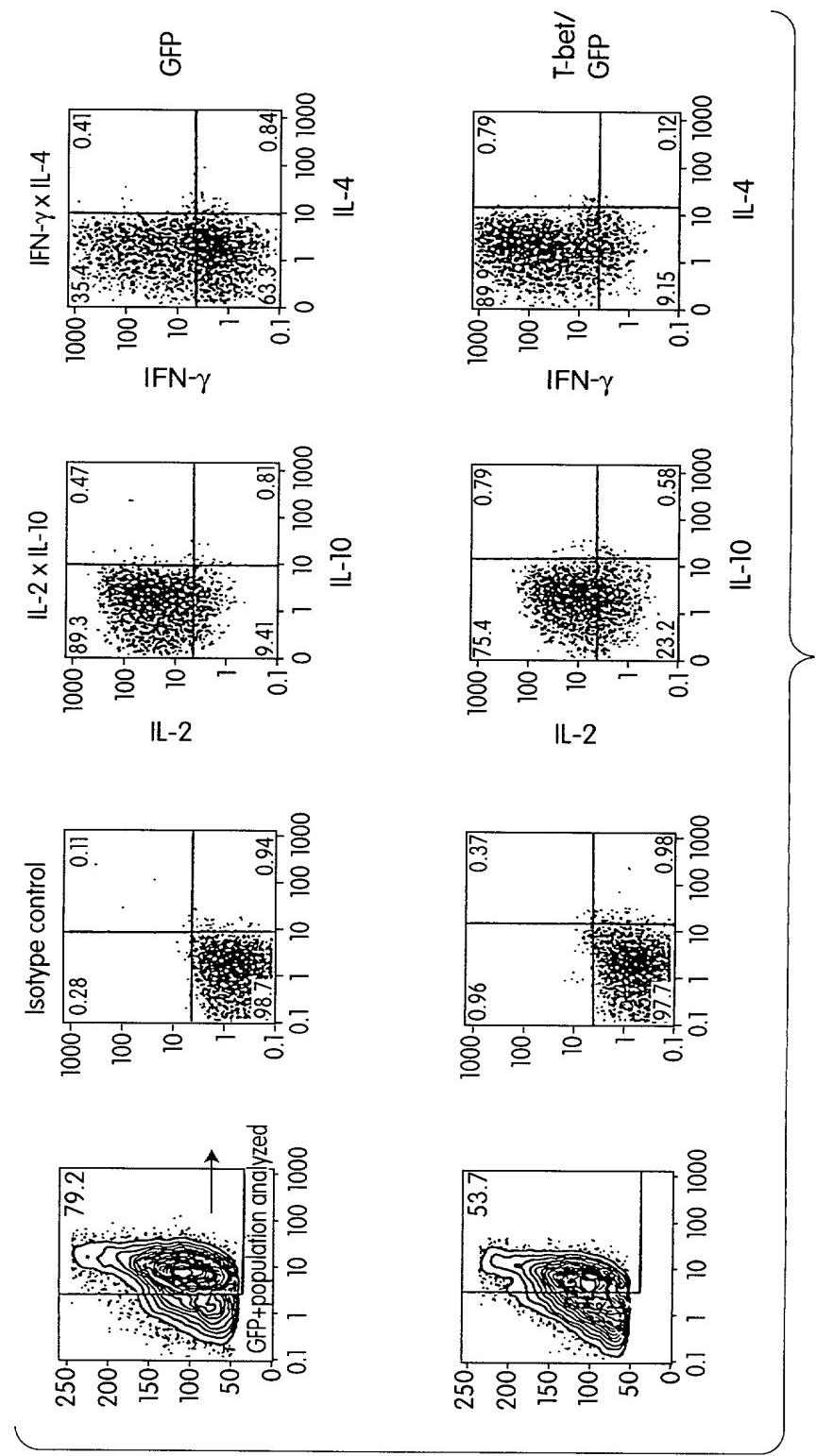


Fig. 7

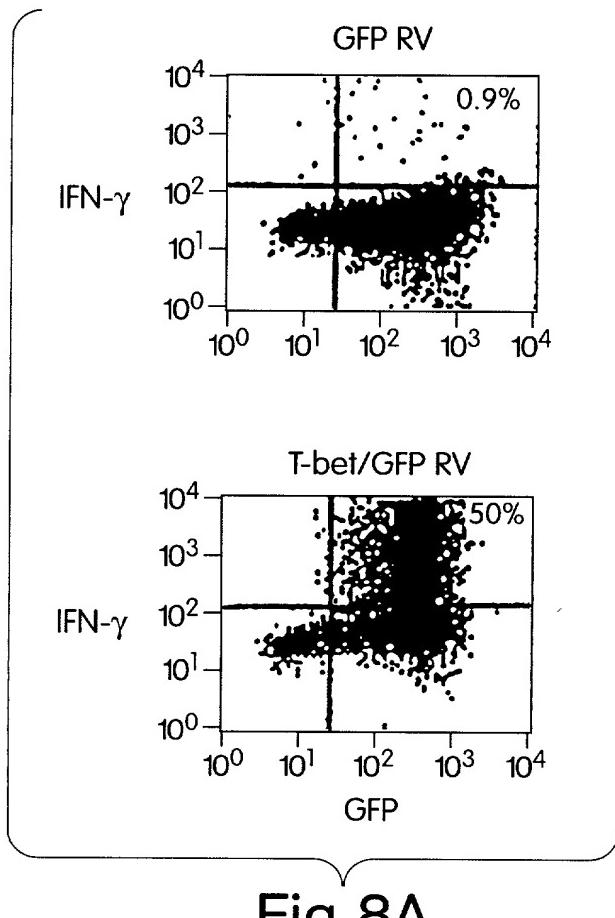


Fig 8A

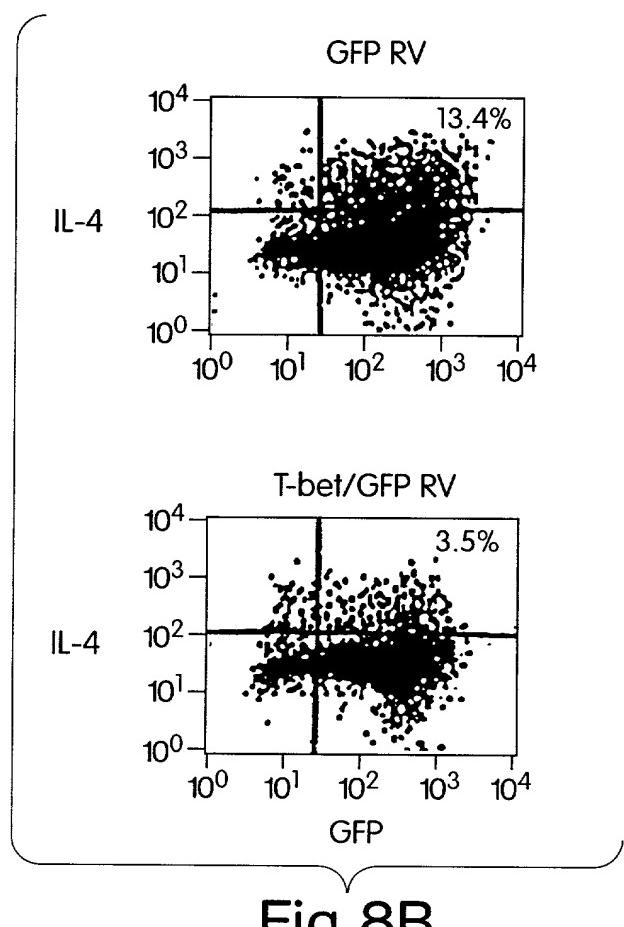
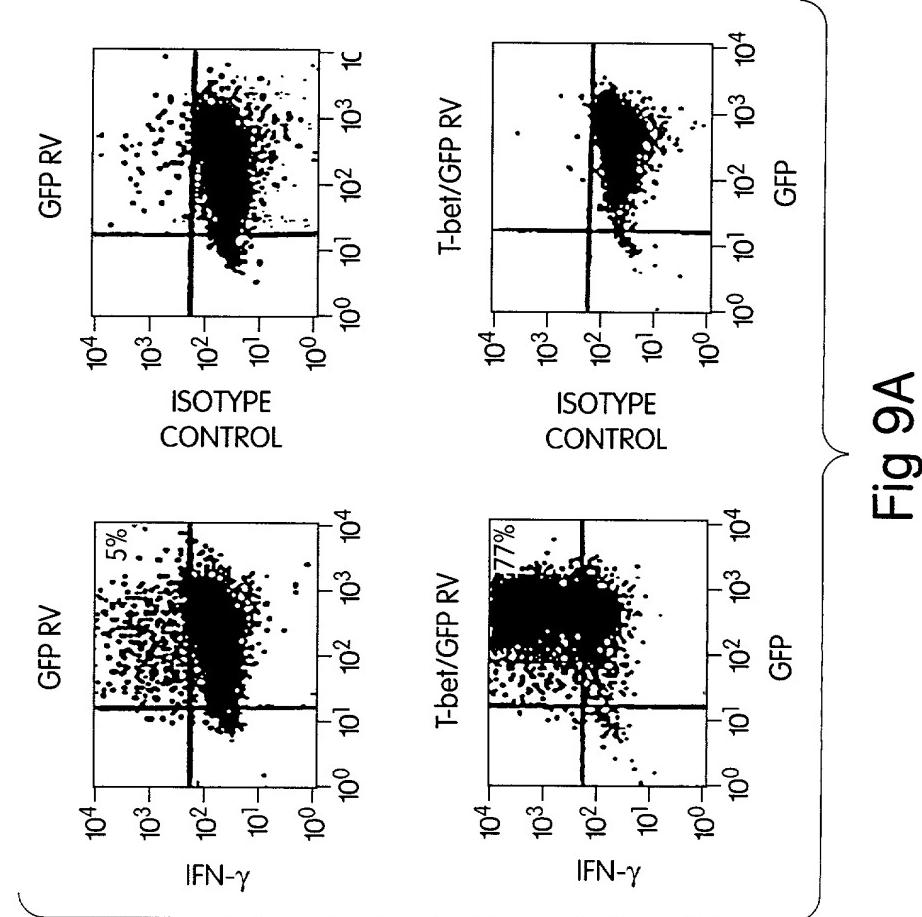


Fig 8B



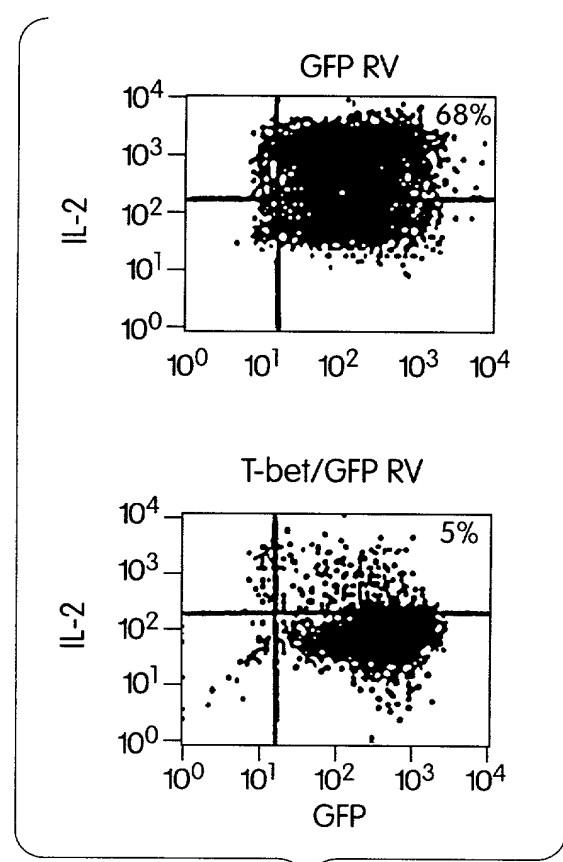


Fig 9B

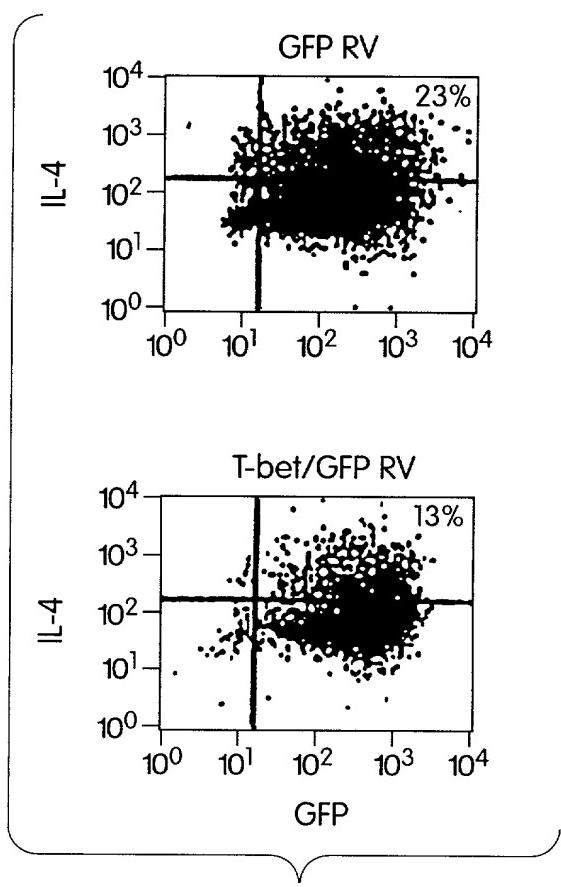


Fig 9C

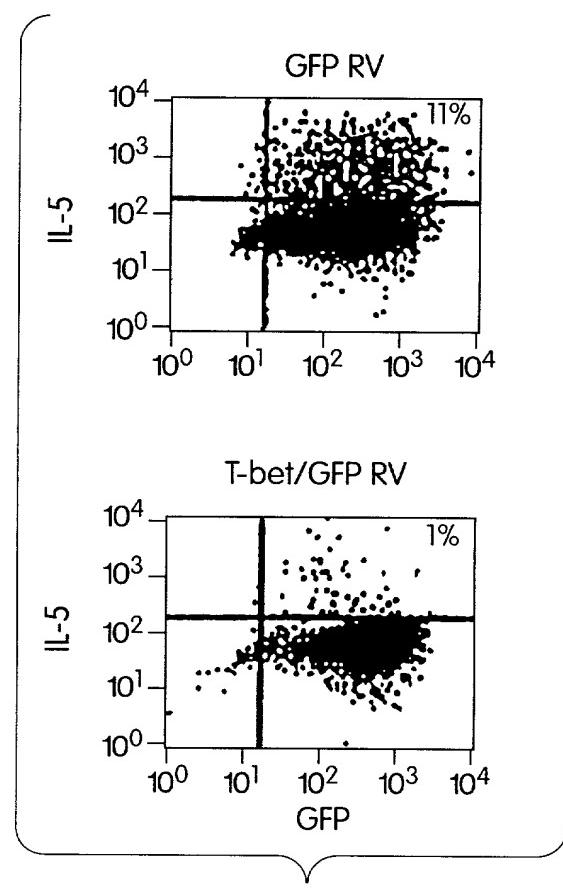


Fig 9D

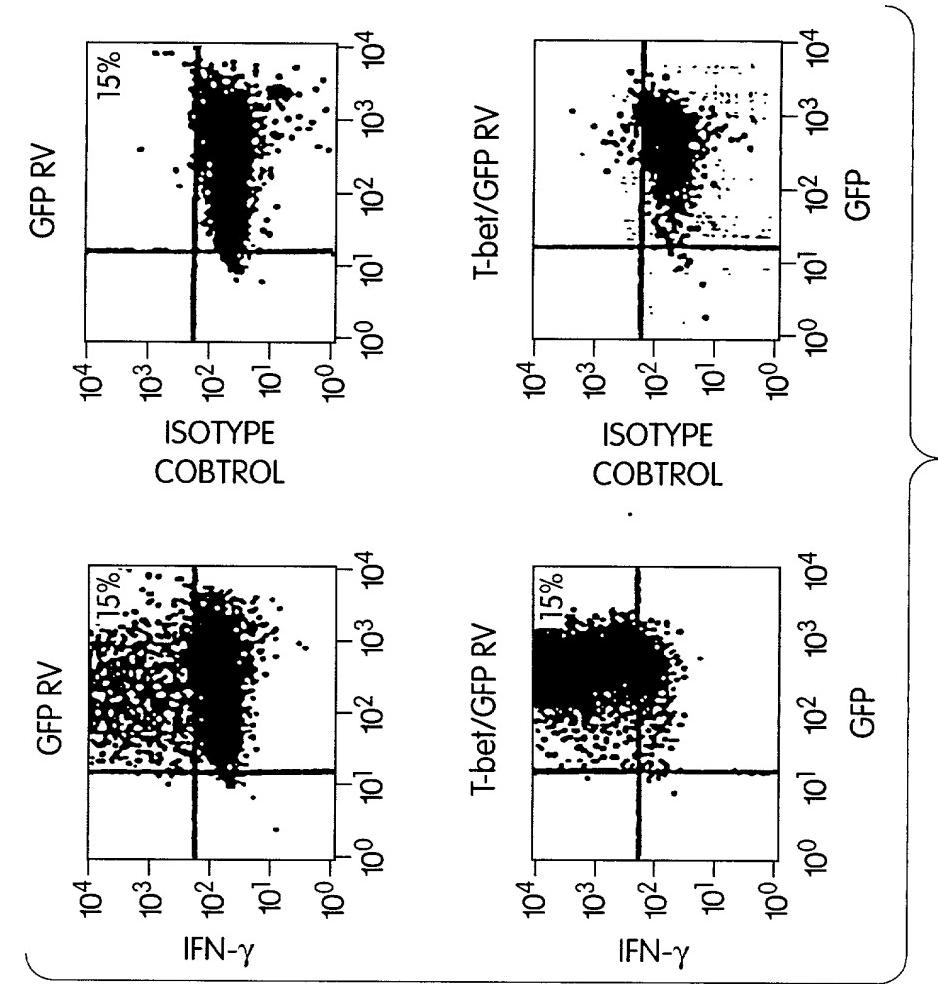


Fig 10A

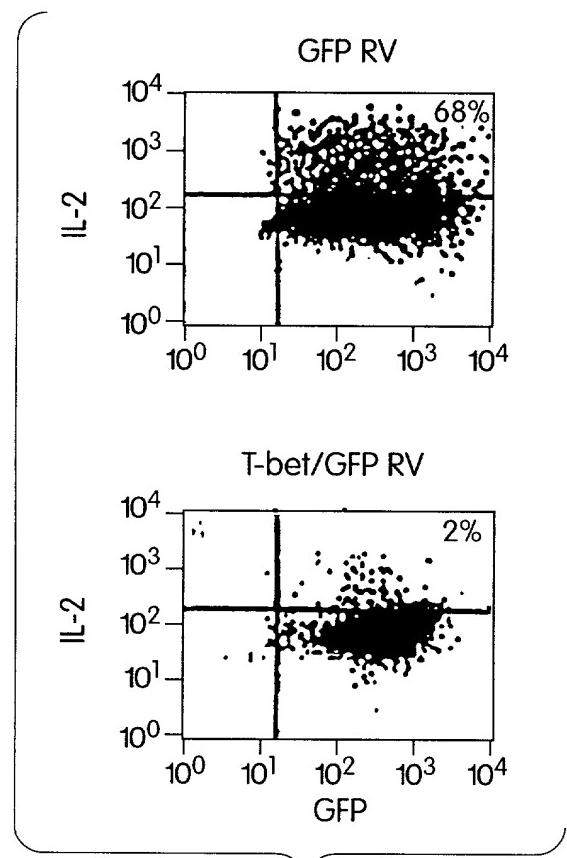


Fig. 10B

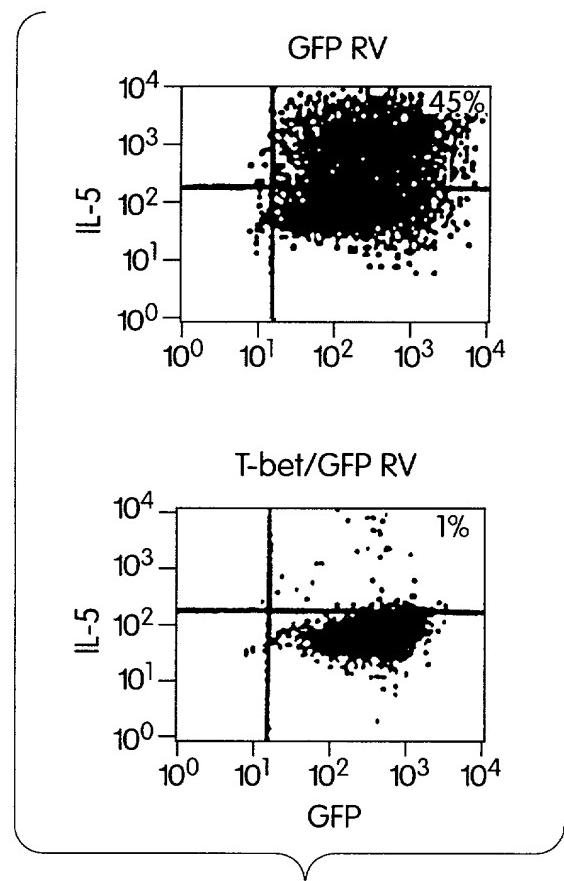


Fig. 10C

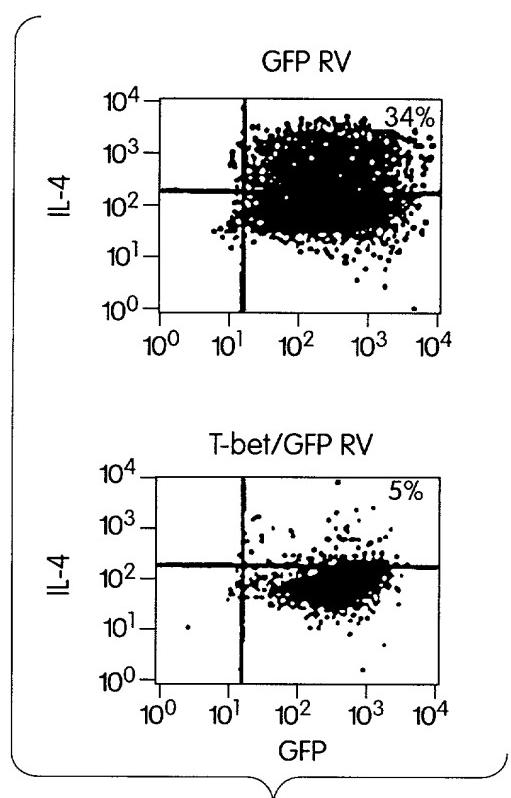
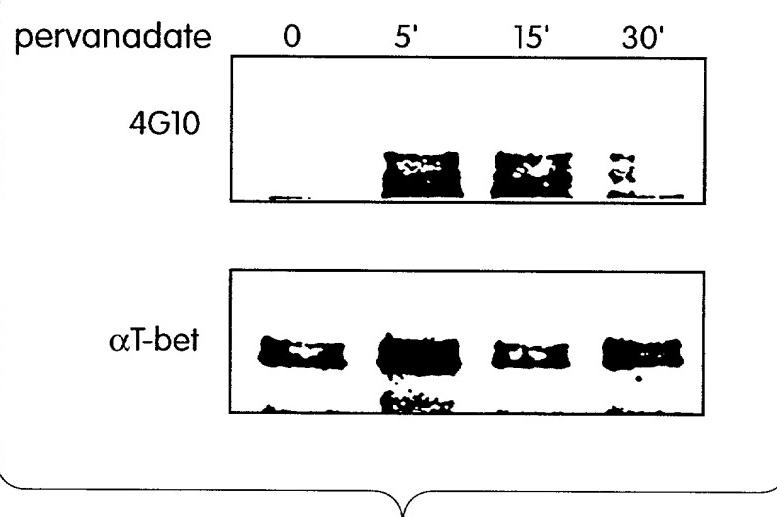


Fig. 10D



Continuation-in-part Application entitled:
T-BET COMPOSITIONS AND METHODS OF USE THEREOF

Inventor(s): Laurie H. Glimcher et al.

Filed: Herewith

Atty Docket No.: HUI-040CP

Attorney: Cynthia L. Kanik, Ph.D.
Registration No. 37,320
LAHIVE & COCKFIELD, LLP
28 State Street
Boston, MA 02109
(617) 227-7400

Express Mail Label No.: EL 833 313 697 US

Sheet 26 of 27

PROCESSED - SEARCHED

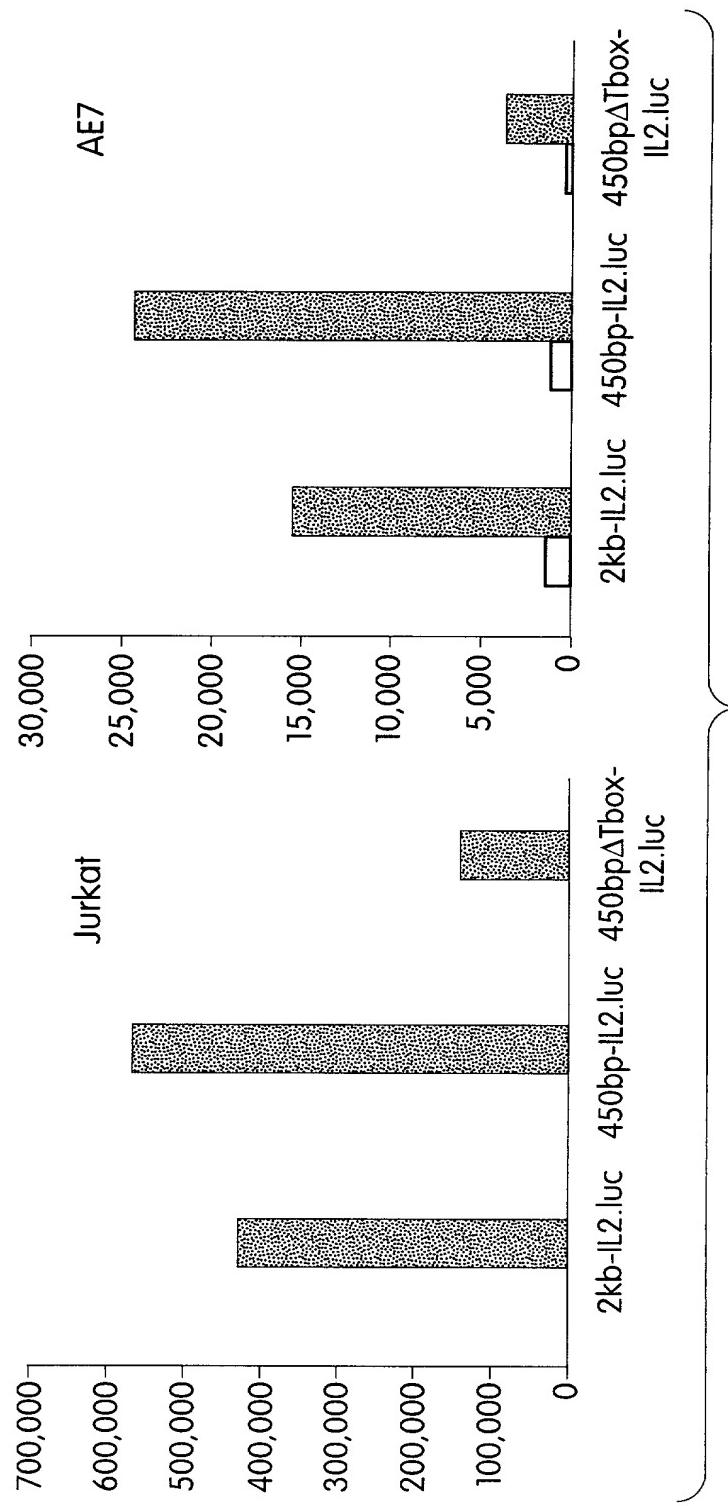


Fig. 13